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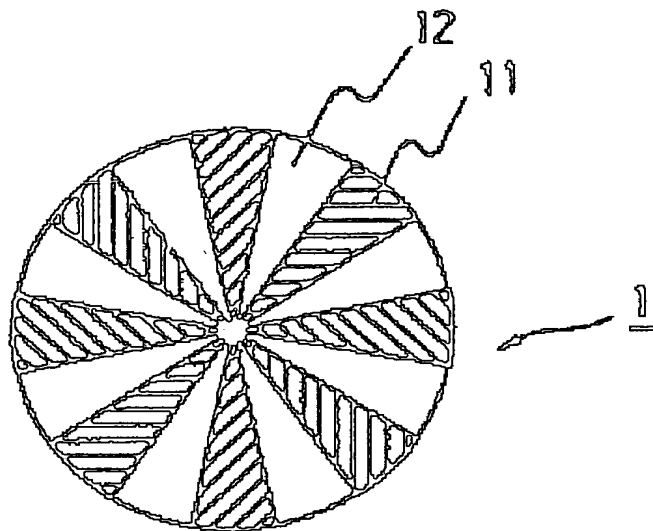
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APPLICANT : JAPAN VILENE CO LTD;

INVENTOR : TANAKA MASANAO;

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TITLE : ALKALINE BATTERY SEPARATOR



ABSTRACT : PROBLEM TO BE SOLVED: To make a separator hardly deformable so that a fallen battery active material hardly advances into the internal cavity of the separator to provide a separator hardly causing a short circuit by constituting the separator from a nonwoven fabric containing a high strength fiber having a tensile strength of a specified value or more, and having a maximum pore diameter of a specified value or less and a modulus strength of a specified value or more.

SOLUTION: This separator is formed of a nonwoven fabric containing a high strength fiber having a tensile strength of 5 g/d or more with a maximum pore diameter of 50 μm or less and a 5% modulus strength in at least one direction of 60 N/5 cm width or more. The split fiber used therein is desirably formed of two or more of polyolefinic resin components, and a fiber having an orange-shaped fiber section or a fiber having a multiple bimetal-shaped fiber section are usable. Particularly, the fiber having the orange-shaped fiber section or the fiber having the multiple bimetal-shaped fiber section, which is easily dividable by any directional physical action, can be used.

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